

WE CLAIM:

1. Puzzle piece, designed to be positioned with respect to a border having a predetermined shape with a defined upper side and under side, wherein the puzzle piece has a predetermined number N of possible orientations with respect to the border, the puzzle piece having a shape
5 symmetry S, indicating the number of ways in which the shape of the puzzle piece is rotation symmetrical, such that, in said N possible orientations, the puzzle piece has N/S different appearances; the puzzle piece being provided with at least N/S mutually different marks.
2. Puzzle piece according to claim 1, being provided with N marks, wherein each mark appears S times.
- 10 3. Puzzle piece according to claim 1, wherein each mark has a predetermined upper side, the marks being arranged on the puzzle piece such that their respective upper sides are directed in mutually different directions.
4. Puzzle piece according to claim 3, the marks being arranged such that, in each of the possible different appearances, only one of said marks has its upper side directed upwards.
- 15 5. Puzzle piece according to claim 4, wherein the position of the one mark having its upper side directed upwards is closest to the upper edge of the puzzle piece.
6. Set of puzzle pieces according to claim 1, wherein different puzzle pieces are provided with different marks.
7. Set according to claim 6, comprising twelve mutually different puzzle pieces, the puzzle
20 pieces preferably being shaped as pentomino pieces, which are defined as puzzle pieces which are theoretically constituted by five identical square elements, each square element having a full edge connection with at least one other square element.
8. Puzzle piece, designed to be positioned with respect to a border having a predetermined shape with a defined upper side and under side, wherein at least one main surface of the puzzle
25 piece is provided with at least two marks having a defined upper side and under side, the marks having different orientations which correspond to possible orientations of the puzzle piece with respect to the border.
9. Puzzle piece according to claim 8, being shaped as a pentomino piece, which is defined
30 as a puzzle piece which is theoretically constituted by five identical square elements, each square element having a full edge connection with at least one other square element.

10. Puzzle piece according to claim 8, wherein at least one main surface is provided with four marks.
11. Puzzle piece according to claim 10, wherein marks which follow each other when following the circumference of the puzzle piece are rotated a quarter turn with respect to each other.
12. Puzzle piece according to claim 8, wherein at least two marks on one main surface of the puzzle piece differ from each other.
13. Puzzle piece according to claim 8, wherein at least one mark comprises a number.
14. Puzzle piece according to claim 8, wherein both main surfaces are provided with at least two marks, preferably four marks.
15. Puzzle piece according to claim 14, wherein the marks on a front surface differ from the marks on a rear surface.
16. Puzzle piece according to claim 8, wherein each mark is positioned closest to the edge of the puzzle piece which constitutes the upper edge of the puzzle piece when the mark is in its upright orientation.
17. Puzzle game, comprising a plurality of puzzle pieces according to claim 8.
18. Puzzle game according to claim 17, wherein different puzzle pieces are provided with different marks.
19. Puzzle game according to claim 17, further comprising a holder having a recess for receiving the puzzle pieces, wherein the shape of a circumference of the recess preferably corresponds to the predetermined shape of the border.
20. Puzzle game according to claim 17, wherein the border has a rectangular shape.
21. Puzzle game according to claim 17, comprising twelve mutually different pentomino pieces.